CONTENTS OF VOLUME 97

No. 1, June 1994	
G.F. Nieman and W.R. Clark Jr. (USA): Effects of wood and cotton smoke on the surface properties	
of pulmonary surfactant	1
JN. Han, G. Gayan-Ramirez, D. Megirian and M. Decramer (Belgium): Contribution of the parasternal intercostals to inspiratory rib elevation in dogs	13
A. Mokashi, C. Di Guilio, L. Morelli and S. Lahiri (USA): Chronic hyperoxic effects on cat carotid body catecholamines and structure	25
M. Pokorski, PE. Paulev and M. Szereda-Przestaszewska (Denmark): Endogenous benzodiazepine system and regulation of respiration in the cat	33
F. Wallois and JM. Macron (France): Nasal air puff stimulations and laryngeal, thoracic and abdominal muscle activities	47
E.E. Nattie and A. Li (USA): Retrotrapezoid nucleus lesions decrease phrenic activity and CO ₂ sensitivity in rats	63
H. Gautier and M. Bonora (France): Ventilatory and metabolic responses to cold and CO-induced hypoxia in awake rats	79
R.J. Martin, I.A. Dreshaj, M.J. Miller and M.A. Haxhiu (USA): Hypoglossal and phrenic responses to central respiratory inhibition in piglets	93
K. Yamada, S. Shimura, M. Satoh, T. Sasaki, K. Yamauchi and T. Takishima (Japan): HMT regulates histamine-induced Cl ⁻ secretion across the canine tracheal epithelium	105
P.J. Berger, M. Soust, J.J. Smolich and A.M. Walker (Australia): Respiratory muscle blood flow in the fetal lamb during apnoea and breathing	111
No. 2, July 1994	
A.M. Lorino, H. Lorino and A. Harf (France): A synthesis of the Otis, Mead, and Mount mechanical respiratory models	123
A. De Troyer and G.A. Farkas (USA): Contribution of the rib cage inspiratory muscles to breathing in baboons	135
D.K. Chugh, M. Katayama, A. Mokashi, D.E. Bebout, D.K. Ray and S. Lahiri (USA): Nitric oxide- related inhibition of carotid chemosensory nerve activity in the cat	147
D. Lagneaux (Belgium): Ventilatory responses to brief hypoxic stimuli after simulated altitude exposure in rat	157
N.C. Syabbalo, B. Krishnan, T. Zintel and C.G. Gallagher (Canada S7N OXO): Differential ventilatory control during constant work rate and incremental exercise	175
W.A. Zin, P.R.M. Rocco, H.S. Pereira and A. Fonseca-Costa (Brazil): Effect of salicylate on respiratory mechanics and postinspiratory muscle pressure	189
R. Peslin, C. Gallina, C. Saunier and C. Duvivier (France): Two-frequency analysis of respiratory mechanics in artificially ventilated rabbits	199
K. Uchida and K. Doi (Japan): Glycolysis vs. respiration as ATP source for the shape of quiescent cardiomyocytes	213
J.P. Mortola, T. Matsuoka, C. Saiki and L. Naso (Canada): Metabolism and ventilation in hypoxic rats: effect of body mass	225
E.K. Birks, O. Mathieu-Costello, Z. Fu, W.S. Tyler and J.B. West: Comparative aspects of the strength of pulmonary capillaries in rabbit, dog, and horse	235
Corrigendum	247

No. 3, August 1994

hydrothorax absorption

Author Index

Subject Index

Contents of Volume 97

J. Durand and N. Marmy (Switzerland): Arachidonic acid induces [Ca2+], oscillations in smooth muscle cells from human airways 249 J.M. Lawler, S.K. Powers and D.S. Criswell (USA): Gender differences in diaphragmatic metabolic properties of the adult Sprague-Dawley rat 263 E. D'Angelo, E. Prandi and F. Bellemare (Canada): Mechanics of the abdominal muscles in rabbits 275 K. Smale and P.J. Butler (UK): Temperature and pH effects on the oxygen equilibrium curve of the thoroughbred horse 293 Y. Katayama, K. Hatanaka, T. Hayashi, K. Onoda, I. Yada, S. Namikawa, H. Yuasa, M. Kusagawa, K. Maruyama and M. Kitabatake (Japan): Effects of inhaled nitric oxide in rats with chemically induced pulmonary hypertension 301 I. Kuwahira, Y. Moue, Y. Ohta, H. Mori and N.C. Gonzalez (USA): Distribution of pulmonary blood flow in conscious resting rats 309 B. Grassi, G. Ferretti, M. Costa, M. Ferrigno, A. Panzacchi, C.E.G. Lundgren, C. Marconi and P. Cerretelli (USA): Ventilatory responses to hyercapnia and hypoxia in elite breath-hold divers 323 J. Iwamoto, D.R. Pendergast, H. Suzuki and J.A. Krasney (USA): Effect of graded exercise on nitric oxide in expired air in humans 333

L. Zocchi and E. Agostoni (Italy): Effects of β-adrenergic blockade or stimulation on net rate of

347

357

360

363

